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TITLE : FOAMABLE AGRICULTURAL CHEMICAL FORMULATION FOR APPLICATION ON WATER SURFACE

ABSTRACT : PURPOSE: To provide a uniform, energy-saving and highly safe foamable agricultural chemical formulation having sufficient diffusibility and obtained by wrapping a solid composition comprising an agricultural chemical-active ingredient, a carbonate, a water-soluble solid acid and a high boiling point solvent preferably with a water-soluble polymer film.

CONSTITUTION: A solid composition containing (A) an agricultural chemical- active ingredient, such as insecticide, bactericide, herbicide or plant-growth regulator, (B) a carbonate such as sodium bicarbonate, potassium carbonate or sodium carbonate, (C) a water-soluble solid acid such as citric acid, succinic acid, fumaric acid or tartaric acid, and (D) a high boiling point solvent such as diisobutyl adipate, palm oil fatty acid cetyl ester or sorbitan monolaurate. The solid composition is preferably molded into products having a constant size, and subsequently wrapped with a water-soluble polymer film such as polyvinyl alcohol, gelatin or polyethylene oxide to form a foamable agricultural chemical formulation. The agricultural chemical formulation wrapped with the film requires only to be thrown in a paddy field with a hand, saves energy and does not require an spreading machine, thereby being highly economical.

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